

ST01-006



Application no. 10/055,094

#5
Electron 2823
6/24/03

June 16, 2003

TO: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: Art Unit 2823 - Examiner Michelle Estrada

FROM: George O. Saile, Reg. No. 19,572
28 Davis Avenue
Poughkeepsie, N.Y. 12603

RECEIVED
JUN 20 2003
TECHNOLOGY CENTER 2800

SUBJECT: Serial #: 10/055,094
File Date: Jan. 23, 2002
Inventor: Il Kwon Shim
Examiner: Michelle Estrada
Art Unit: 2823
Title: Heat Spreader Anchoring & Grounding Method & Thermally Enhanced PBGA Package using the Same

RESPONSE TO RESTRICTION REQUIREMENT

Dear Sir:

This is in response to the Restriction Requirement in the Office Action dated May 16, 2003. In that office action, restriction was required to one of the following Inventions under

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents P.O. Box 1450, Alexandria, VA 22313-1450 on June 16, 2003.

Signature 
Stephen B. Ackerman, Reg. No. 37,761

Date: 6/16/03

35 U.S.C. 121:

The inventions stated are:

I - Claims 1-10, drawn to a method of process of making a semiconductor device, classified in class 438, subclass 108, and

II - Claims 11-33, drawn to a process of making a semiconductor device, classified in class 438, subclass 108.

Applicant provisionally elects to be examined the Invention described by the Examiner as Group I. - Claims 1-10 drawn to a process classified in Class 438, subclass 108. This election is made with traverse of the requirement under 37 C.F.R. 1.143 for the reasons given in the following paragraphs.

The Examiner is respectfully requested to reconsider the Requirement for Restriction in the Office Action.

The Examiner states that Inventions I and II are related as combination and subcombination, and gives as the reasons for distinctness that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations. (M.P.E.P. § 806.05(c)). However, upon reading the Invention II Claims against the Claims of Invention

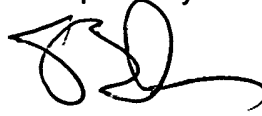
I, it can be seen that Invention II is drawn to "A method of creating a Plastic Ball Grid Array (PBGA) Package", while Invention I is drawn to "A Method for anchoring a heat spreader of a Plastic Ball Grid Array (PBGA) package to the surface of an underlying substrate of the PBGA package". As such, the field of search must necessarily cover both the Group I class/subclass 438/108 and the Group II class/subclass 438/108 in addition to other related Classes and subclasses to provide a complete and adequate search. The fields of search for the Group I and Group II inventions are clearly and necessarily co-extensive. The Examiner's suggestion that "the combination does not need providing a layer of thermally conductive adhesive over the substrate, using a die to attach process to position a device over the adhesive layer, and curing the anchor posts" is speculative and has nothing to do with the Claims as presented in this patent application.

Further, it is respectfully suggested that these reasons are insufficient to place the additional cost of additional Patent Applications upon the Applicants. Therefore, it is respectfully requested that the Examiner withdraw this restriction requirement for these reasons.

Withdrawal of the Restriction Requirement, and allowance of the present Patent Application, is respectfully requested.

It is requested that should there be any problems with this response, please call the undersigned Attorney at (845) 452-5863.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'SBA', with a stylized, looping flourish extending from the end.

Stephen B. Ackerman, Reg. No, 37,761